

PATNO IS 6294487

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1. 6294487 , September 25, 2001 , Airbag fabric processing very low cover factor, Keshavaraj, Ramesh - LaGrange, Georgia, 09405999 (09), Milliken & Company, Spartanburg, South Carolina, 02

CORE TERMS: fabric, airbag, coating, permeability, yarn, cushion, film, substrate, woven, bonding ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6294487

September 25, 2001

Airbag fabric processing very low cover factor

REISSUE: February 4, 2002 - Reissue Application filed Ex. Gp.: 1771; Re. S.N.
10/066,738 May 21, 2002

APPL-NO: 09405999 (09)

FILED-DATE: September 24, 1999

GRANTED-DATE: September 25, 2001

CORE TERMS: fabric, airbag, coating, permeability, yarn, cushion, film,
substrate, woven, bonding ...

ENGLISH-ABST:

The present invention relates to an airbag fabric which is woven in such a manner as to possess a cover factor of less than about 1900 but which simultaneously, through the presence of a film (laminate) or coating, possesses an extremely low air permeability. The utilization of such a loosely constructed fabric within airbag cushions has heretofore not been possible, even with the application of standard airbag coatings (such as silicones) over the fabric surface since such coatings will not easily remain in contact over the loosely constructed fabric surface (i.e., the coating would leak through the fabric). The coupling of a low cover factor fabric with a laminate film (or with a coating wherein the cover factor is at least 1600), however, solves such a problem and permits the utilization of inexpensively produced woven fabrics within airbag applications.

6294487 OR 6,294,487

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